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Wednesday, July 05, 2000

Title of Invention.

PC/USB Light Display Device apparatus for the Personal Computer or Laptop and PlayStation ® 2 systems

Background of the Invention.

None. This is the first PC/USB Light Display Device, which utilizes an expansion port on the PC as a power source for providing light for the Personal Computer. This Invention provides a Light Display for the PC/End User. Facilitating the end user with Light using his/her PC/USB expansion port. The Nintendo® Game Boy® Worm Light® is used in portable gaming industry to facilitate light to portable gaming devices. My idea started when I wanted to use my computer at night without turning on any lights, which would disturb my spouse and children. I was also confronted with this problem when I attempted to use my laptop in the car or van and could not find any other light source.

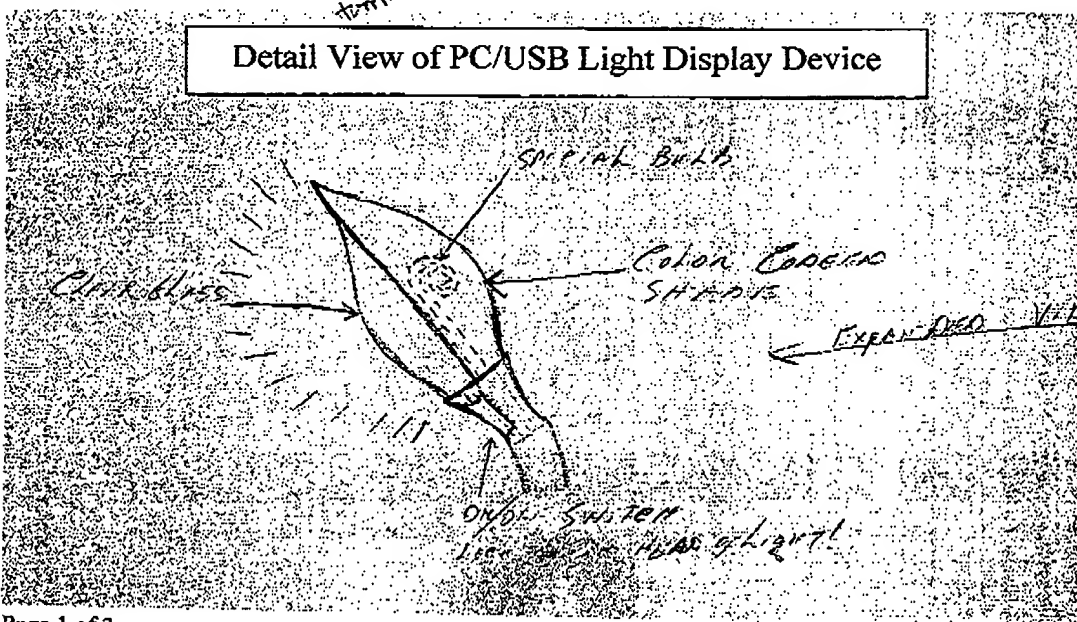
Brief Description of the Invention.

This invention facilitates portable lighting to PC users, using a PC Universal Serial Bus (USB) as a source of power to the light device. The light device does not restrain itself to portability devices however, even though it has a compact design. It expands its versatility to the Desktop personal computer using a device like the "Microsoft® USB Keyboards" in poor lighting conditions. Or by increasing the length of the device. ?

Sketches.

Figure 1

In Figure 1 a detail view of the PC/USB Light Display Device. Note the special bulb, which provide the unit with light and the on/off switch. The on/off switch which gives the user a user friendly quick way to turn off/on the unit.



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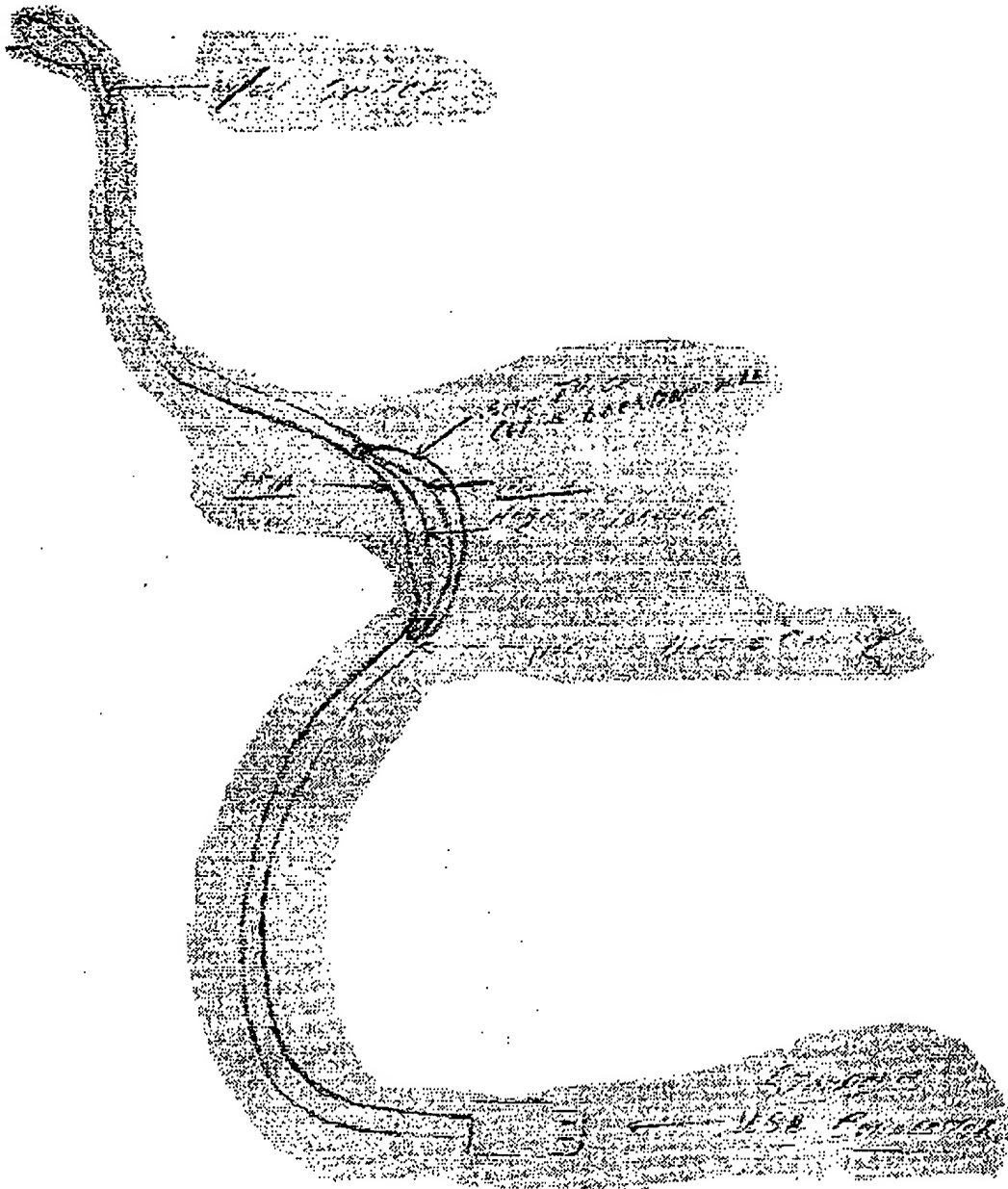


Figure 2

In Figure 2 a rough prototype is drawn, giving a rough overview of the invention. The top portion is the lamp and bulb, which is displayed in detail in Figure 1. The second portion

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displays a detail view of the wiring mechanism of the unit. And the bottom of Figure 2 show a standard USB connector.

Detailed Description of the invention.

The PC/USB Display Device used the USB connector as a power source for it light, it is a simple light device, which conforms to the USB standards. The components are as follows:

1. Standard USB (Universal Serial Buss) Connector, utilizing wires positive, negative and data.
2. One variable 0 to 12" Solid copper wire .5mm thick which provide spinal like backbone flexibility and stability for the light source.
3. Three variable wire source 0 to 12" long and .5mm thick two of the three provide positive and ground for the 'Light Source', and one for data which increase/decrease the light device brightness.
4. A lamp like head with variable light bulb connected to it. (Similar to a standard light bulb).
5. A plastic shielding, which serve as a protective and restrictive shielding to the wires and copper 'PC/USB Light Device'.

List the unique attributes.

The Unique attributes of this device is it's confirmation of the USB (Universal Serial Buss) standards, and it's variable lighting controlled bulb which can be controlled either directly by a smart on/off switch or via software controlled via Windows 95/98© Systems.

Other possible use and variations.

Other possible use and variations for this device is with Microsoft© USB Keyboards any Laptop system with USB support. And with systems like Compaq I-Paq© or with any desktop system with USB Support. Future support for Palm© Systems and Windows CE© systems are intended, as well as Sony© PlayStation © 2 Game console.

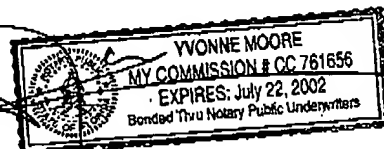
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Signed in my presence 5th July 2000

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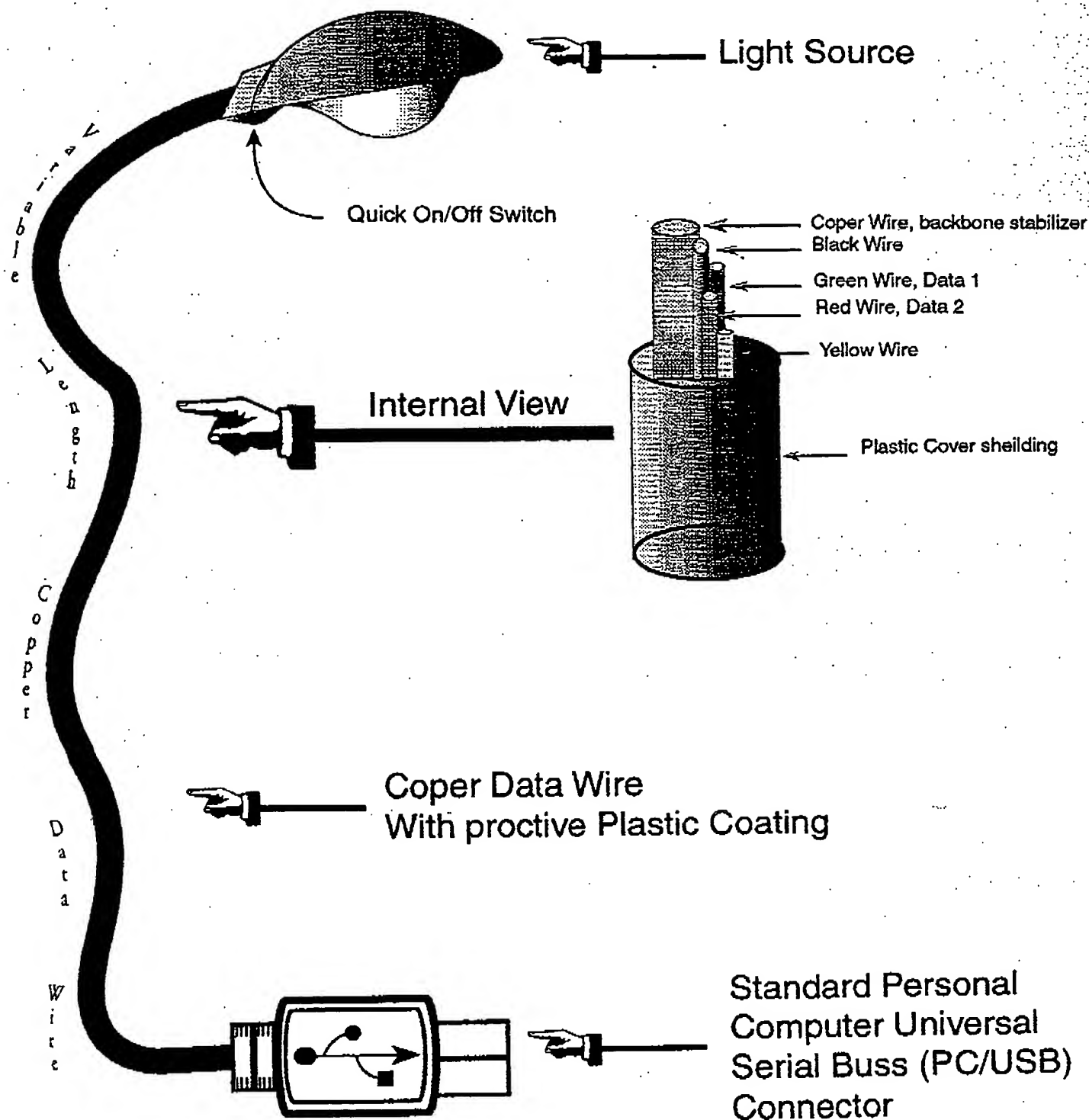
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OR 60/291, 259

Invention : PC/USB Light Device
 Inventor : Cecil E. Williams Jr.
 Date : Wed. July 5, 2000.

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